EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	699	(562/450).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/20 11:09
L2	591	L1 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:21
L3	68439	[3-(acetylamino)-4-cyclohexylphenyl]-butanedioic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:09
L4	9	L2 and L3 and autoimmune adj disorder?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:21
L5	217	(548/472).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/20 11:13
L6	173	l5 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:13
L7	53	l5 and l3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:20
L8	1020	(514/411).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/20 11:20
L9	987	L8 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:21
L10	288	L3 and l9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:21
L11	12	l10 and autoimmune adj disorder?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:22
S1	15	(("3663627") or ("3644479") or ("3940434") or ("2023000")).PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/10/19 07:57
S2	500	(560/180).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/13 15:36

EAST Search History

S3	252	S2 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:13
S4	68296	[3-(acetylamino)-4-cyclohexylphenyl]-butanedioic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 17:22
S5	500	(560/180).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/16 17:16
S6	252	S5 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 17:16
S7	19	S6 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 18:29
S8	2352220	[3-(acetylamino)-4-cyclohexylphenyl]-butanedioic acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 17:22
S9	248	S6 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 18:25
S10	20113	[1,1'-biphenyl]-4-propanoic "acid,. beta.-"(aminocarbonyl)-4'-cyano-	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 18:28
S11	500	(560/180).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/16 18:29
S12	252	S11 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 18:29
S13	0	S12 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 18:29
S14	157	S10 and matrix adj metalloproteinase adj inhibitor?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/16 18:30
S15	1	("20060142385").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/17 07:35
S16	2	(("20060142385") or ("20060160875")).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/17 07:35

EAST Search History

S17	699	(562/450).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 07:58
S18	591	S17 and @ad<="20060210"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/19 07:59
S19	68439	[3-(acetylamino)-4-cyclohexylphenyl]-butanedioic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/19 07:59
S20	206	S18 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/20 11:09

Date of Search: 20 October 2006 at 9:50

Strategy:

(FILE 'HOME' ENTERED AT 09:51:22 ON 20 OCT 2006)

FILE 'REGISTRY' ENTERED AT 09:51:33 ON 20 OCT 2006
L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 6 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 09:53:04 ON 20 OCT 2006
L4 1 S L3/PREP

ANSWER SUMMARY

L3 ANSWER 1 OF 6 REGISTRY

β-(aminocarbonyl)-4-(1H-indol-5-yl)-Benzenepropanoic acid; 845786-21-2 REGISTRY

L3 ANSWER 2 OF 6 REGISTRY

β-(aminocarbonyl)-3'-cyano-[1,1'-Biphenyl]-4-propanoic acid; 845786-19-8 REGISTRY

L3 ANSWER 3 OF 6 REGISTRY

β-(aminocarbonyl)-[1,1'-Biphenyl]-4-propanoic acid; 845786-18-7 REGISTRY

L3 ANSWER 4 OF 6 REGISTRY

3'-acetyl-β-(aminocarbonyl)-[1,1'-Biphenyl]-4-propanoic acid; 845786-17-6 REGISTRY

L3 ANSWER 5 OF 6 REGISTRY

β-(aminocarbonyl)-4'-(trifluoromethyl)-[1,1'-Biphenyl]-4-propanoic acid; 845786-16-5 REGISTRY

L3 ANSWER 6 OF 6 REGISTRY

β-(aminocarbonyl)-4'-cyano-[1,1'-Biphenyl]-4-propanoic acid; 845786-15-4 REGISTRY

L4 ANSWER 1 OF 1 CAPLUS

Preparation of (hetero)aryl-substituted succinate derivatives as matrix metalloproteinase inhibitors; 2005:158625 CAPLUS

L4 ANSWER 1 OF 1 CAPLUS

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 NEWS  6  SEP 11   CA/CAplus enhanced with more pre-1907 records
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                   truncation
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 NEWS X25      X.25 communication option no longer available

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 19 OCT 2006 HIGHEST RN 910855-26-4
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Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
0 20 C:\Program Files\Stnexp\Queries\stn str search practice\10569812\str in specs
p4.str

chain nodes :
13 14 15 16 17 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
5-8 11-13 13-14 13-18 14-15 15-16 15-17 18-19 18-20 28-29 29-30 29-31 29-32 33-34
35-36 37-38
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
18-19 18-20 28-29
exact bonds :
5-8 11-13 13-14 13-18 14-15 29-30 29-31 29-32 33-34 35-36 37-38
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 15-16 15-17

G1:H,CF3,CN,C(O)CH3,NO2,[*1],[*2],[*3],[*4],[*5],[*6],[*7],[*8],[*9]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS

```
L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 09:52:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       16 TO ITERATE

100.0% PROCESSED       16 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           80 TO      560
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 09:52:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      338 TO ITERATE

100.0% PROCESSED      338 ITERATIONS                                  6 ANSWERS
SEARCH TIME: 00.00.01

L3            6 SEA SSS FUL L1

=> d l3 1-6 hitstr
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

SAM     - Index Name, MF, and structure - no RN
FIDE    - All substance data, except sequence data
IDE     - FIDE, but only 50 names
SQIDE   - IDE, plus sequence data
SQIDE3  - Same as SQIDE, but 3-letter amino acid codes are used
SQD     - Protein sequence data, includes RN
SQD3    - Same as SQD, but 3-letter amino acid codes are used
SQN     - Protein sequence name information, includes RN

CALC    - Table of calculated properties
EPROP   - Table of experimental properties
PROP    - EPROP and CALC

Any CA File format may be combined with any substance format to
obtain CA references citing the substance.  The substance formats
must be cited first.  The CA File predefined formats are:
```

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
with text labels.

For additional information, please consult the following help
messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

L3 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

L3 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

L3 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

L3 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

L3 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	179.22	179.43

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```
=> s l3/prep
             1 L3
       3544032 PREP/RL
L4           1 L3/PREP
                 (L3 (L) PREP/RL)

=> d l4
```

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

```
=> d hitstr
```

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

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=> d his

     (FILE 'HOME' ENTERED AT 09:51:22 ON 20 OCT 2006)

     FILE 'REGISTRY' ENTERED AT 09:51:33 ON 20 OCT 2006
L1             STRUCTURE UPLOADED
L2           0 S L1 SSS SAM
L3           6 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 09:53:04 ON 20 OCT 2006
L4           1 S L3/PREP

=> sav l1-l4
ENTER NAME OR (END):mmp9812p4/l

=> sav l1-l4
ENTER NAME OR (END):mmp812p4/l

=> sav l1-l4
ENTER NAME OR (END):mmp812p4/l
'MMP812P4/L' IN USE
A single name cannot be used for two saved items at the same time.
Enter "Y" if you wish to replace the current saved name with a new
definition. Enter "N" if the current saved definition must be
preserved. You may then reenter the SAVE command with a different
```

saved name. Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a
list of your currently defined saved names.
REPLACE OLD DEFINITION? Y/(N):n

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.60	189.03

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~~10473105 Phenol-Sulfonamide Compounds TEXT SEARCH~~

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FULL ESTIMATED COST	0.21	0.21

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1654218 A2 20060510 EP 2004-764084 20040812

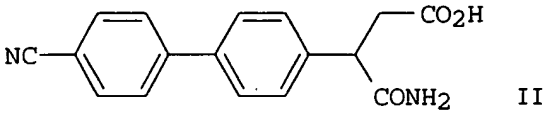
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR

PRIORITY APPLN. INFO.: GB 2003-19069 A 20030814

WO 2004-EP9087 W 20040812

OTHER SOURCE(S): CASREACT 142:261292; MARPAT 142:261292

GI



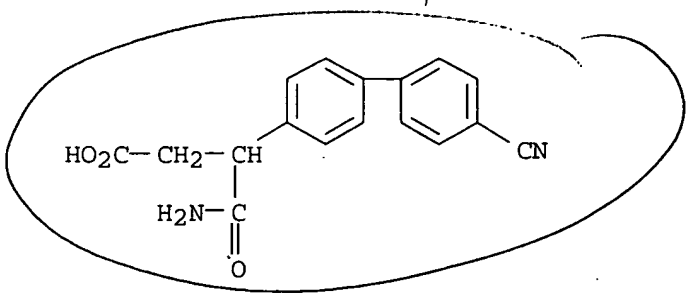
II

AB Title compds. represented by the formula I, R1ZQCH(R2)CH2X, [wherein R1 = (un)substituted alkyl(cycloalkyl), alkylheterocycloalkyl, alkylaryl, etc.; Z = a bond, CH2, O, S, etc.; Q = (un)substituted (hetero)aryl; X = COR3; R2 = CONH2, CO2H, sulfonylamino, etc.; R3 = OH, oxyalkyl or (un)substituted amino; with a proviso; and physiol. functional derivs. thereof] were prepd. as matrix metalloproteinase (MMP) inhibitors. Coupling reaction of 4-amino-3-(4-bromophenyl)-4-oxobutanoic acid with p-nitrilephenylboronic acid gave II in 100% yield. I showed inhibition of MMP-12 with IC50 values of below 100 .mu.M. Thus, I and their pharmaceutical compns. are useful as matrix metalloproteinase inhibitors for the treatment of inflammation or autoimmune disease (no data).

IT 845786-15-4P 845786-16-5P 845786-17-6P
845786-18-7P 845786-19-8P 845786-21-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of (hetero)aryl-substituted succinate derivs. as matrix metalloproteinase inhibitors)

RN 845786-15-4 CAPLUS

CN [1,1'-Biphenyl]-4-propanoic acid, .beta.-(aminocarbonyl)-4'-cyano- (9CI) (CA INDEX NAME)



RN 845786-16-5 CAPLUS

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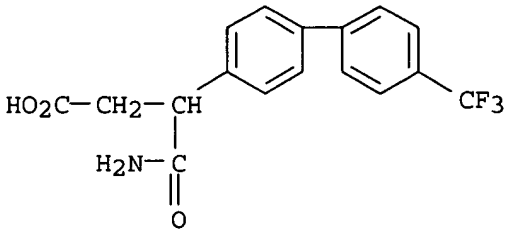

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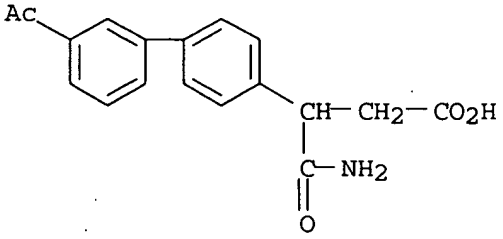

RN 845786-18-7 CAPLUS
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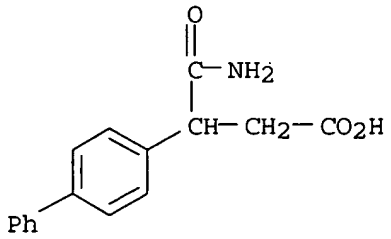
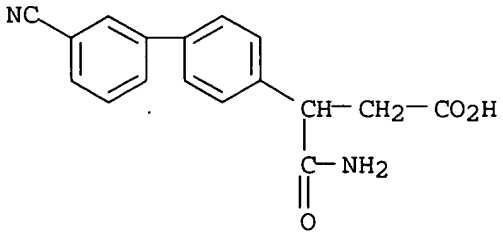


RN 845786-19-8 CAPLUS
CN [1,1'-Biphenyl]-4-propanoic acid, .beta.-(aminocarbonyl)-3'-cyano- (9CI) (CA INDEX NAME)



RN 845786-21-2 CAPLUS
CN Benzenepropanoic acid, .beta.-(aminocarbonyl)-4-(1H-indol-5-yl)- (9CI) (CA INDEX NAME)

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 NEWS IPC8     For general information regarding STN implementation of IPC 8
 NEWS X25      X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:51:22 ON 20 OCT 2006

=>  file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 09:51:33 ON 20 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
```

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 19 OCT 2006 HIGHEST RN 910855-26-4
DICTIONARY FILE UPDATES: 19 OCT 2006 HIGHEST RN 910855-26-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

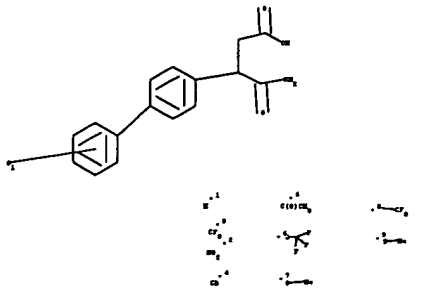
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

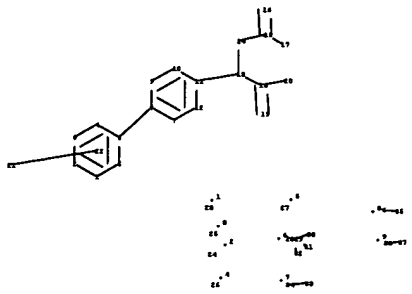
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\stn str search practice\10569812\str in
specs p4.str





chain nodes :
13 14 15 16 17 18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 34
35 36 37 38
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
5-8 11-13 13-14 13-18 14-15 15-16 15-17 18-19 18-20 28-29 29-30 29-31
29-32 33-34 35-36 37-38
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
18-19 18-20 28-29

```
exact bonds :
5-8  11-13  13-14  13-18  14-15  29-30  29-31  29-32  33-34  35-36  37-38
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12  15-16  15-17


G1:H,CF3,CN,C(O)CH3,NO2,[*1],[*2],[*3],[*4],[*5],[*6],[*7],[*8],[*9]

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS
19:CLASS  20:CLASS  21:CLASS  22:Atom  23:CLASS  24:CLASS  25:CLASS  26:CLASS
27:CLASS  28:CLASS  29:CLASS  30:CLASS  31:CLASS  32:CLASS  33:CLASS  34:CLASS
35:CLASS  36:CLASS  37:CLASS  38:CLASS



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 09:52:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       16 TO ITERATE

100.0% PROCESSED       16 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           80 TO      560
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 09:52:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      338 TO ITERATE

100.0% PROCESSED      338 ITERATIONS                                  6 ANSWERS
SEARCH TIME: 00.00.01

L3            6 SEA SSS FUL L1

=> d l3 1-6 hitstr
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

REG    - RN
SAM    - Index Name, MF, and structure - no RN
FIDE   - All substance data, except sequence data
```

IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

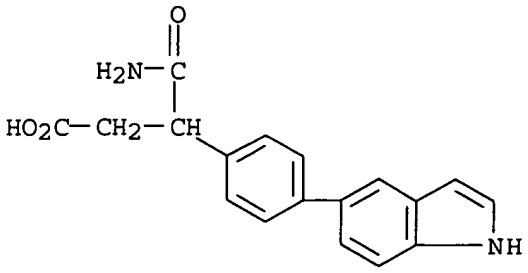
SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

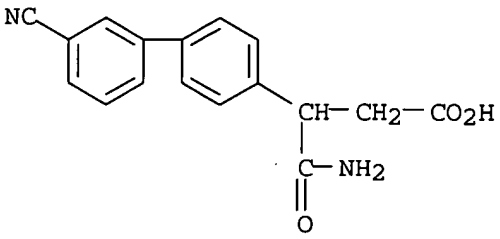
L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
RN 845786-21-2 REGISTRY
ED Entered STN: 17 Mar 2005
CN Benzenepropanoic acid, β-(aminocarbonyl)-4-(1H-indol-5-yl)- (9CI) (CA INDEX NAME)
MF C18 H16 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

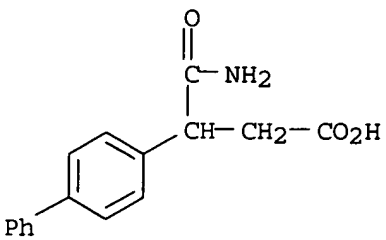
L3 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
RN 845786-19-8 REGISTRY
ED Entered STN: 17 Mar 2005
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)-3'-cyano- (9CI) (CA INDEX NAME)
MF C17 H14 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

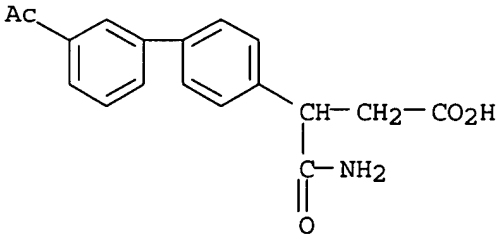
L3 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
RN 845786-18-7 REGISTRY
ED Entered STN: 17 Mar 2005
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)- (9CI) (CA INDEX NAME)
MF C16 H15 N O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

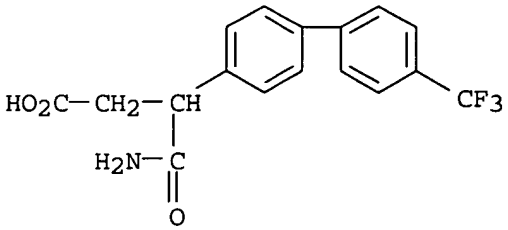
L3 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
RN 845786-17-6 REGISTRY
ED Entered STN: 17 Mar 2005
CN [1,1'-Biphenyl]-4-propanoic acid, 3'-acetyl-β-(aminocarbonyl)- (9CI) (CA INDEX NAME)
MF C18 H17 N O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
RN 845786-16-5 REGISTRY
ED Entered STN: 17 Mar 2005
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)-4'-(trifluoromethyl)- (9CI) (CA INDEX NAME)
MF C17 H14 F3 N O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

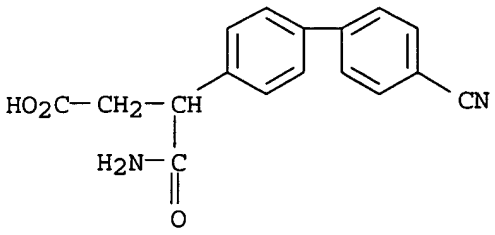


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
RN 845786-15-4 REGISTRY
ED Entered STN: 17 Mar 2005
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)-4'-cyano- (9CI) (CA INDEX NAME)
MF C17 H14 N2 O3

SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	179.22	179.43

FILE 'CAPLUS' ENTERED AT 09:53:04 ON 20 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 20 Oct 2006 VOL 145 ISS 18
FILE LAST UPDATED: 19 Oct 2006 (20061019/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3/prep
1 L3
3544032 PREP/RL
L4 1 L3/PREP
(L3 (L) PREP/RL)

=> d l4

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:158625 CAPLUS
DN 142:261292
TI Preparation of (hetero)aryl-substituted succinate derivatives as matrix metalloproteinase inhibitors
IN Holmes, Ian; Watson, Stephen Paul

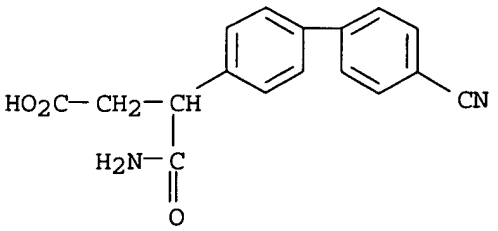
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005016868	A2	20050224	WO 2004-EP9087	20040812
	WO 2005016868	A3	20050519		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1654218	A2	20060510	EP 2004-764084	20040812
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR				
	US 2006235074	A1	20061019	US 2006-569812	20060210
PRAI	GB 2003-19069	A	20030814		
	WO 2004-EP9087	W	20040812		

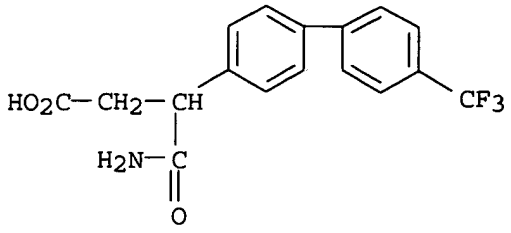
OS CASREACT 142:261292; MARPAT 142:261292

=> d hitstr

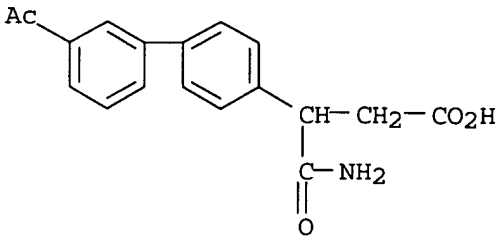
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
IT 845786-15-4P 845786-16-5P 845786-17-6P
845786-18-7P 845786-19-8P 845786-21-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation);
USES (Uses)
(preparation of (hetero)aryl-substituted succinate derivs. as matrix metalloproteinase inhibitors)
RN 845786-15-4 CAPLUS
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)-4'-cyano- (9CI) (CA INDEX NAME)



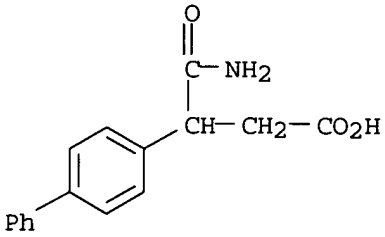
RN 845786-16-5 CAPLUS
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)-4'-(trifluoromethyl)- (9CI) (CA INDEX NAME)



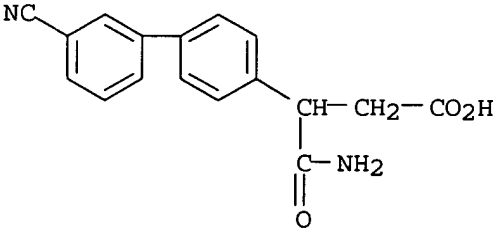
RN 845786-17-6 CAPLUS
CN [1,1'-Biphenyl]-4-propanoic acid, 3'-acetyl-β-(aminocarbonyl)- (9CI) (CA INDEX NAME)



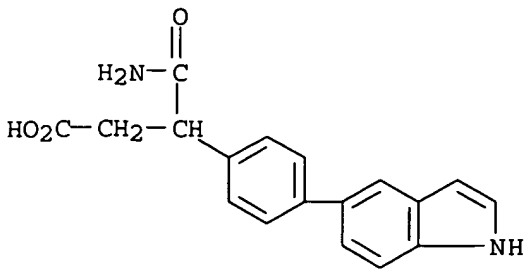
RN 845786-18-7 CAPLUS
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)- (9CI) (CA INDEX NAME)



RN 845786-19-8 CAPLUS
CN [1,1'-Biphenyl]-4-propanoic acid, β-(aminocarbonyl)-3'-cyano- (9CI) (CA INDEX NAME)

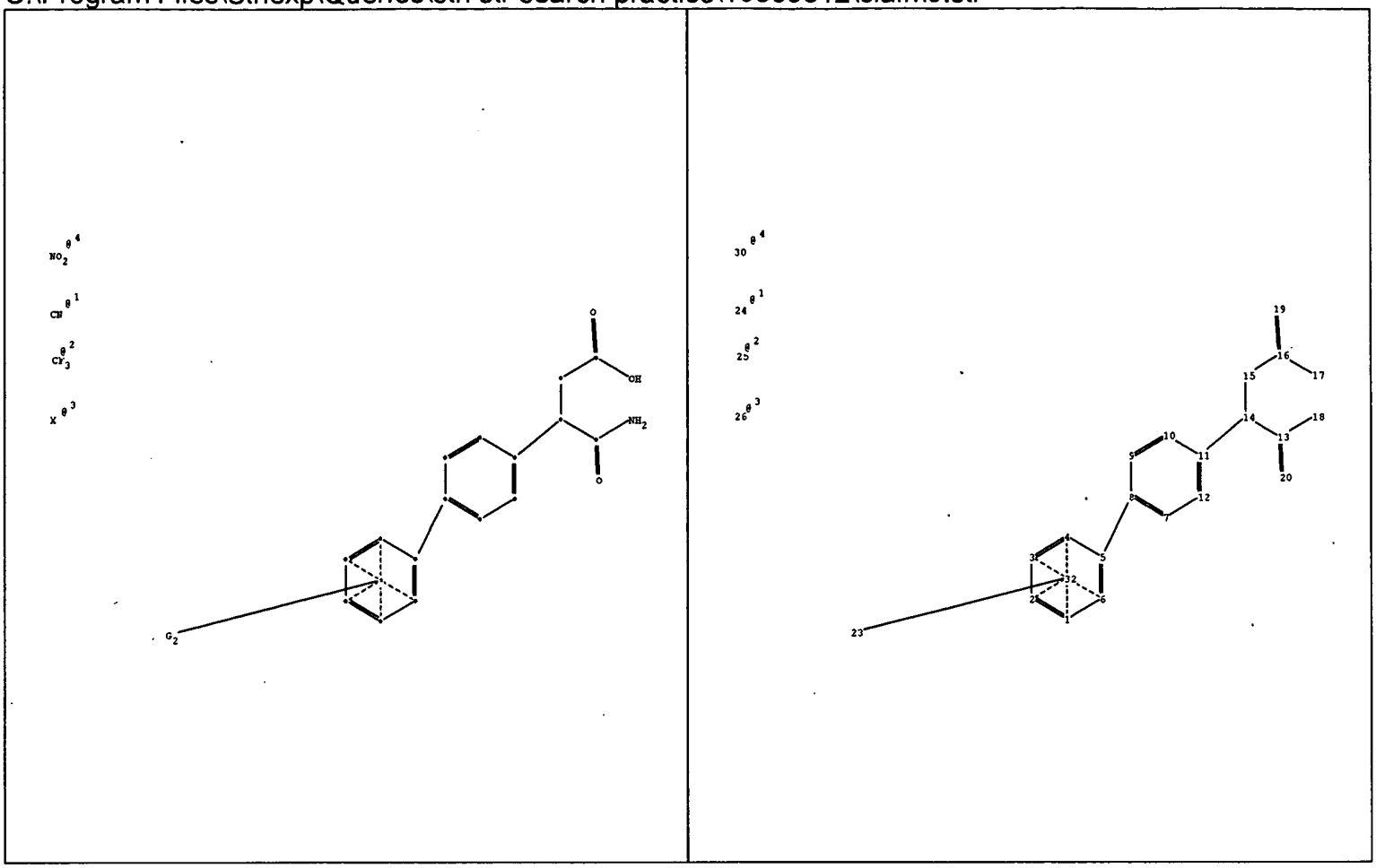


RN 845786-21-2 CAPLUS
CN Benzenepropanoic acid, β-(aminocarbonyl)-4-(1H-indol-5-yl)- (9CI) (CA INDEX NAME)




```
=> d his

     (FILE 'HOME' ENTERED AT 09:51:22 ON 20 OCT 2006)

     FILE 'REGISTRY' ENTERED AT 09:51:33 ON 20 OCT 2006
L1              STRUCTURE UPLOADED
L2            0 S L1 SSS SAM
L3            6 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 09:53:04 ON 20 OCT 2006
L4            1 S L3/PREP

=> sav l1-l4
ENTER NAME OR (END):mmp9812p4/l

=> sav l1-l4
ENTER NAME OR (END):mmp812p4/l

=> sav l1-l4
ENTER NAME OR (END):mmp812p4/l
'MMP812P4/L' IN USE
A single name cannot be used for two saved items at the same time.
Enter "Y" if you wish to replace the current saved name with a new
definition.  Enter "N" if the current saved definition must be
preserved.  You may then reenter the SAVE command with a different
saved name.  Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a
list of your currently defined saved names.
REPLACE OLD DEFINITION? Y/(N):n

=> log y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               9.60     189.03

STN INTERNATIONAL LOGOFF AT 09:58:41 ON 20 OCT 2006
```

C:\Program Files\Stnexp\Queries\stn str search practice\10569812\claim5.str

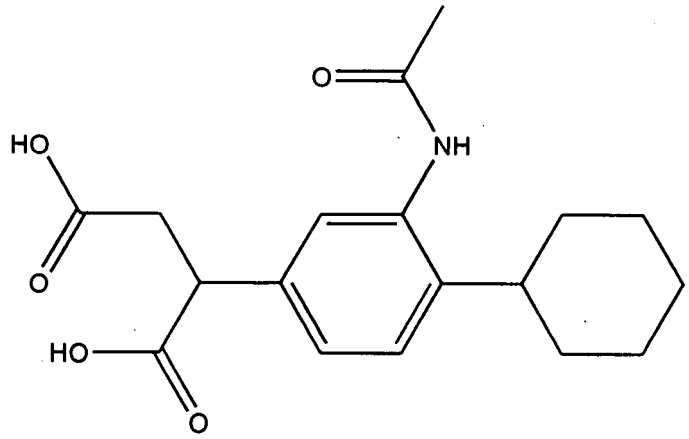


chain nodes :
13 14 15 16 17 18 19 20 23 24 25 26 30
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
5-8 11-14 13-14 13-18 13-20 14-15 15-16 16-17 16-19
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
13-18 13-20
exact bonds :
5-8 11-14 13-14 14-15 15-16
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 16-17 16-19

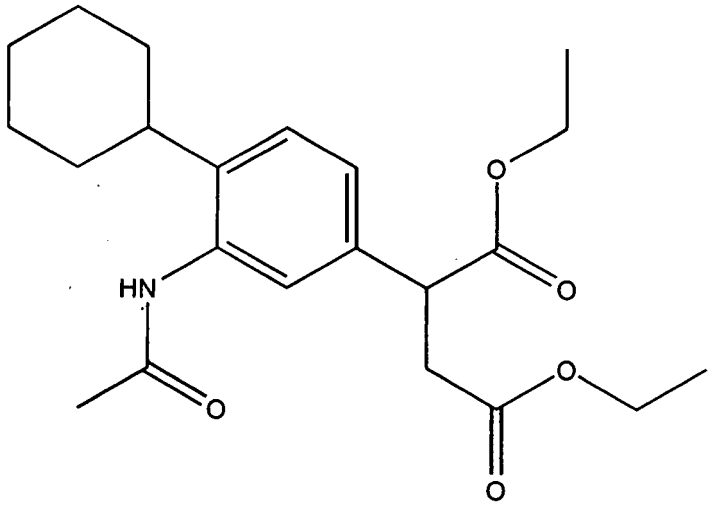
G1:H,X,CF3,CN,NO2

G2:CF3,X,H,CN,NO2,[*1],[*2],[*3],[*4]

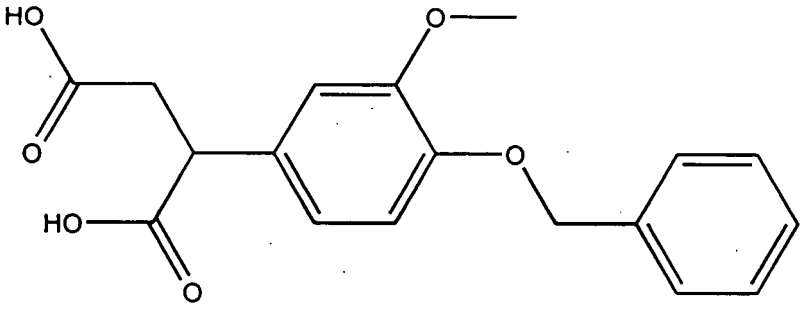
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 24:CLASS 25:CLASS



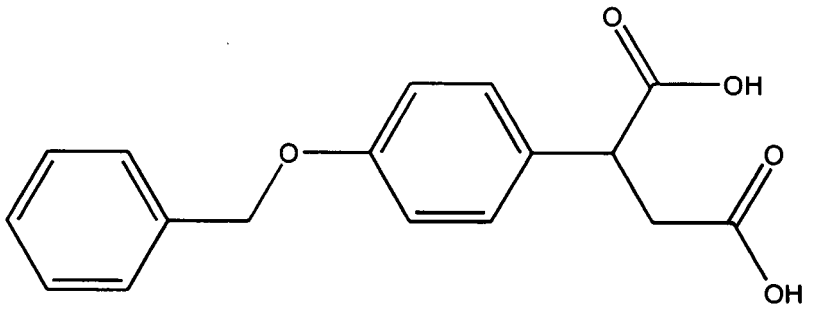
[3-(acetylamino)-4-cyclohexylphenyl]-butanedioic acid



[3-(acetylamino)-4-cyclohexylphenyl]-butanedioic acid diethyl ether



[3-methoxy-4-(phenylmethoxy)phenyl]-butanedioic acid



[4-(phenylmethoxy)phenyl]-butanedioic acid